

ABSTRACT OF THE DISCLOSURE

Sub B5

The present invention provides a fiber array, in which light reflections caused by exfoliation of the end face adhesive due to volume increases of a peripheral adhesive B disposed around the fibers are prevented. Fig. 1(a) shows an initial connection state. Stripped fibers are positioned such that they protrude with respect to an end face 1a of a V-groove substrate 1 provided with V-grooves 7, and the adhesive B is formed flush with the end face 1a of the V-groove substrate 1 without protruding. Then, after being subjected to high temperature and high humidity, the adhesive B swells and expands in the longitudinal direction, so that it protrudes in outward direction from the end face 1a of the V-groove substrate 1 and the end face of the fiber array as shown in Fig. 1(b), but the tip of the adhesive B does not swell beyond the tips of the stripped fibers, so that it does not exert any stress leading to exfoliation at the coupling face with the adhesive A.